



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

UNITED BROADCASTING NETWORK, INC.  
19730 RALSTON STREET  
DETROIT MI 48203

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 7898

Call Sign: WNSI

License File Number: BZ-20030214ABX

Grant Date: **AUG 1 2003**

This license expires 3:00 a.m.  
local time, April 01, 2004.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	6:45 AM	5:00 PM	Jul.	4:45 AM	7:00 PM
Feb.	6:30 AM	5:30 PM	Aug.	5:00 AM	6:30 PM
Mar.	6:00 AM	5:45 PM	Sep.	5:30 AM	5:45 PM
Apr.	5:15 AM	6:15 PM	Oct.	5:45 AM	5:15 PM
May	4:45 AM	6:30 PM	Nov.	6:15 AM	4:45 PM
Jun.	4:30 AM	7:00 PM	Dec.	6:45 AM	4:30 PM

Callsign: WNSI

License No.: BZ-20030214ABX

Name of Licensee: UNITED BROADCASTING NETWORK, INC.

Station Location: JACKSONVILLE, AL

Frequency (kHz): 810

Station Class: B

Antenna Coordinates:

Day

Latitude: N 33 Deg 50 Min 58 Sec

Longitude: W 85 Deg 45 Min 46 Sec

Night

Latitude: N 33 Deg 50 Min 58 Sec

Longitude: W 85 Deg 45 Min 46 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 50.0 Night: 0.50

Antenna Input Power (kW): Day: 52.65 Night: 0.54

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 32.4 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1048060	
2	1048061	
3	1048062	
4	1048063	

Night:

Tower No.	ASRN	Overall Height (m)
1	1048060	
2	1048061	
3	1048062	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2153 Night: 223.7  
 Standard RMS (mV/m/km): Night: 235.12  
 Augmented RMS (mV/m/km): Day: 2265  
 Q Factor: Day: 70.7 Night: 10

## Theoretical Parameters:

## Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7200	-134.800	0.0000	0.000	0	86.0
2	1.3200	-36.800	100.0000	42.500	0	86.0
3	1.0000	0.000	200.0000	42.500	0	86.0
4	1.1100	-139.000	164.2000	71.500	0	86.0

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

## Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	24.0	48.0	402.34
2	337.0	34.0	402.34

## Theoretical Parameters:

## Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	86.0
2	2.1500	100.500	100.0000	42.500	0	86.0
3	1.2300	201.000	200.0000	42.500	0	86.0

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

## Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-82.4	0.622
2	66.2	1.409
3	27	0.845
4	0	1

## Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -143.4	0.455
2 0	1
3 33.7	0.51

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D

Sampling System Approved Under Section 73.68(b) of the Rules.

## Monitoring Points:

## Day Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
20.1	1.71	162
251.4	3.83	377.98
335.7	2.06	155.6

## Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
20.1	1.71	4
64.9	1.42	11.1
90.8	0.76	12.1
354.2	2.51	2.75

## Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

## 2 Direction of Monitoring Points:

Direction of 20.1 degrees true North. From the WNSI transmitter, turn left (north) on County Road 19 and proceed 1.00 mile to the point, which is 10 feet left (northwest) of the pavement edge. The road is marked with orange paint at a location abreast of the monitor point.

Direction of 64.9 degrees true North. From the WNSI transmitter, turn right (south) on County Road 19 and proceed 0.88 mile to Highway 21. Turn left (northeast) on Highway 21 and proceed 1.3 miles. Turn right and proceed 0.05 mile to the point. The point is on the left (north) side of the road adjacent to large pine tree, and is marked with orange paint.

Direction of 90.8 degree true North. From the transmitter, turn right (south) on County Road 19 and proceed 0.8 mile to Highway 21. Turn left (northeast) on Highway 21 and proceed 0.8 mile. The point located on the east side of the Highway at the driveway opposite the entrance to the Federal-Mogul Company and is marked with orange paint.

## Special operating conditions or restrictions:

- 3 Direction of 251.4 degrees true North. From the transmitter, turn right (south) on County Road 19 and proceed 0.67 mile. Turn right (west) and proceed 2.3 miles. Turn right (north) and proceed 0.4 mile to fork in road. Bear to right and continue 0.05 mile to point. The point is on the left (west) side of the road opposite the "No Hunting" sign and is marked by orange paint.

Direction of 335.7 degrees true North. From the transmitter, turn right (south) on County Road 19 and proceed 0.67 mile. Turn right (west) and proceed 1.45 miles to stop sign at County Road 37. Turn right (north) and proceed 1.85 miles. Turn right (east) and proceed 0.8 mile to the point. The point is located on the left (north) side of the road next to open field and is marked with orange paint.

Direction of 354.2 degrees true North. From the WNSI transmitter turn right (south) on county Road 19 and proceed 0.67 mile. Turn right (west) and proceed 1.45 miles to stop sign at County road 37. Turn right (west) and proceed 1.85 miles. Turn right (east) and proceed 1.35 miles to point. The point is located in the center of the road next to field and is marked with orange paint.

4 Ground System:

Ground system consists of 120-92.99 meter equally spaced buried radials about the base of each tower and extending to the intersection with transverse copper strap. In addition 120 -15.24 meter copper radials are interspersed with the longer radials.

\*\*\* END OF AUTHORIZATION \*\*\*